

MINIMALLY-INVASIVE DEVICES AND METHODS FOR TREATMENT OF CONGESTIVE HEART FAILURE

ABSTRACT OF THE DISCLOSURE

A method of treatment of congestive heart failure comprises the steps of

5 introducing an aortic occlusion catheter through a patient's peripheral artery, the aortic occlusion catheter having an occluding member movable from a collapsed position to an expanded position; positioning the occluding member in the patient's ascending aorta; moving the occluding member from the collapsed shape to the expanded shape after the positioning step; introducing cardioplegic fluid into the patient's coronary blood vessels to

10 arrest the patient's heart; maintaining circulation of oxygenated blood through the patient's arterial system; and reshaping an outer wall of the patient's heart while the heart is arrested so as to reduce the transverse dimension of the left ventricle. The ascending aorta may be occluded and cardioplegic fluid delivered by means of an occlusion balloon attached to the distal end of an elongated catheter positioned transluminally in the aorta from a femoral,

15 subclavian, or other appropriate peripheral artery.

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